

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 02-082267

(43)Date of publication of application : 22.03.1990

(51)Int.Cl.

G03G 9/087

G03G 9/09

(21)Application number : 63-235549

(71)Applicant : ARAKAWA CHEM IND CO LTD

(22)Date of filing : 19.09.1988

(72)Inventor : YAMADA NOBUO  
YOSHIOKA KATSUTOSHI**(54) ELECTROPHOTOGRAPHIC TONER COMPOSITION SUPERIOR IN LOW TEMPERATURE FIXABILITY****(57)Abstract:**

**PURPOSE:** To render each of resistances to blocking and offset and low temperature fixability satisfactory at the same time by using a combination of a specified nonlinear high molecular weight polyester resin and a nonlinear low molecular weight polyester resin as a binder resin.

**CONSTITUTION:** The composition to be used as the binder resin is a combination of the nonlinear high molecular weight polyester having a weight average molecular weight of  $\geq 50,000$  and a multidispersion degree  $M_w/M_n$  of  $\geq 20$ , and the nonlinear low molecular weight polyester resin having a number average molecular weight of 1,000-5,000 and an  $M_w/M_n$  of  $\leq 4$ , thus permitting all of the performances of the blocking and offset resistances and low temperature fixability to become satisfactory at the same time in a good balance and the obtained toner composition to be especially suitable for high-speed copying machines.

**LEGAL STATUS**

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C): 1998.2000 Japanese Patent Office